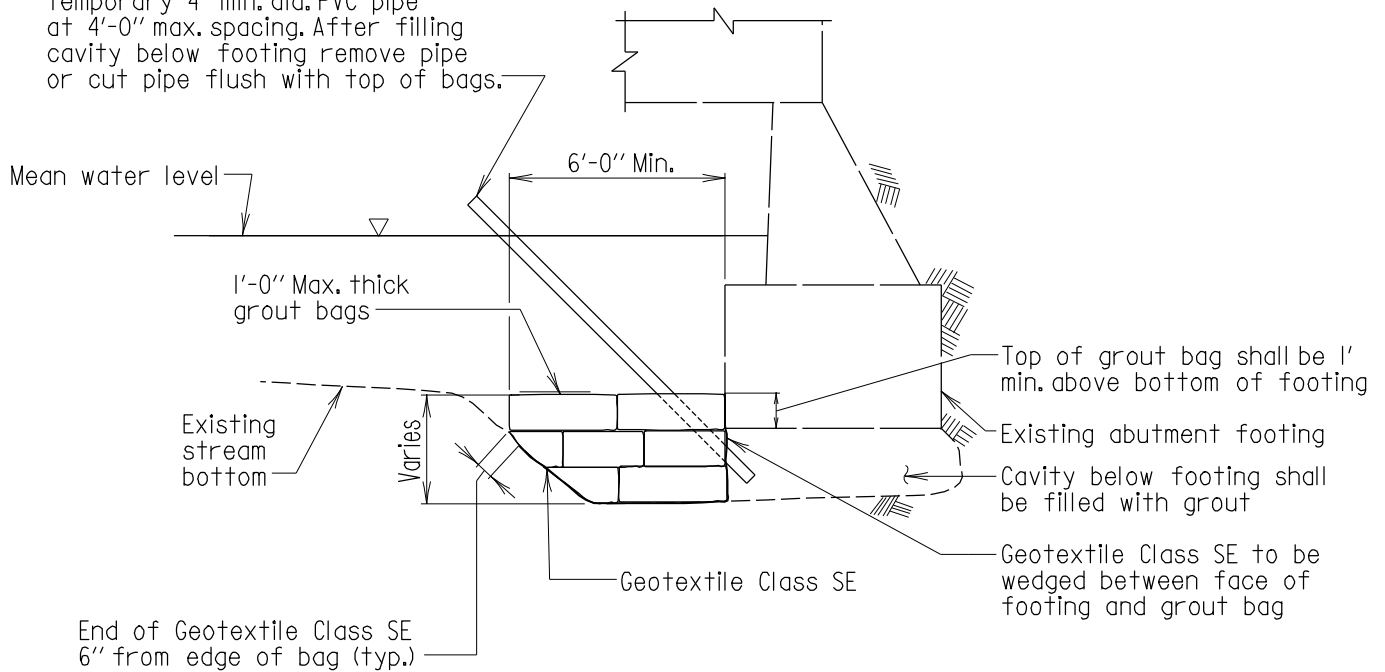


Temporary 4" min. dia. PVC pipe  
at 4'-0" max. spacing. After filling  
cavity below footing remove pipe  
or cut pipe flush with top of bags.



### SECTION THRU ABUTMENT

Scale:  $\frac{3}{16}" = 1'-0"$

#### Notes:

1. Stack bags as required. Joints between bags in successive rows and tiers shall be staggered.
2. Refer to General Plan for any excavation requirements.
3. Place top bag flush with face of footing.
4. If on piles, place debonding material around piles with greater than 3'-0" exposure.
5. All bags shall be 1 ft. max. thick, 3 ft. max. wide, and 4 ft. max. length.
6. Remove debris before installation of bags.

APPROVAL	
<i>E. S. Fisher</i> DIRECTOR OFFICE OF STRUCTURES	
DATE: 11/6/96	
REVISIONS	
SHA	FHWA
8-5-08	.
.	.
FHWA APPROVAL	.
DATE:	.

STATE OF MARYLAND  
DEPARTMENT OF TRANSPORTATION  
STATE HIGHWAY ADMINISTRATION  
OFFICE OF STRUCTURES

GROUT BAG SECTION  
CASE WHERE SCOUR AND UNDERMINING HAS  
OCCURRED AT ABUTMENT

STANDARD NO. BR-SR(0.09)-96-316

SHEET 1 OF 7